

PCI-EXPRESS TO PCI/PCI X TRANSLATOR

Toshimi Sakurai
Jinhun Shou
Peter Chu Tin Teng

ABSTRACT OF THE DISCLOSURE

An apparatus for converting a PCI/PCI X device into a PCI-Express device. The apparatus may include a first circuit configured to receive first data, wherein the first circuit is configured to translate the first data into PCI formatted data. The apparatus may also include a PCI data bus and a second circuit coupled to the first circuit via the PCI data bus. The second circuit is configured to receive the PCI formatted data from the first circuit via the PCI data bus. The second circuit is configured to translate the PCI formatted data received from the first circuit into PCI-Express formatted data. However, the PCI data bus transmits data between only the first and second circuits.